

**OFFICE OF INFORMATION TECHNOLOGY**  
**INFORMATION TECHNOLOGY EXCHANGE (ITE)**  
**CONFERENCE**

**EMCEE.....Anna Domurat Thomas, Chief Strategic  
Development and Digital Communications  
Office of Information Technology**

## PROGRAMS AND SPEAKERS

<b>Welcome and Introduction</b>	<b>8:30 a.m.-8:45 a.m.</b>
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**Charles S. Dawson, Chief Technology Officer  
Office of Information Technology**

**Greater customer service expectations from our citizens, new technology challenges, and the availability of innovative and emerging technologies require a new plan for New Jersey's future growth and improvement of information technology services. CTO Charles S. Dawson will announce a new strategic plan that will focus on new priorities while building on the work OIT has accomplished. It will cover six principles that will allow the state to improve service delivery to our residents and businesses. Mr. Dawson will discuss New Jersey's federated IT model based on collaboration, communication, shared responsibility, knowledge-sharing, and increased services for New Jersey's citizens. He also will talk about the purpose of creating the Information Technology Exchange (ITE).**

## PROFILE: Mr. Dawson

**Charles S. Dawson is chief technology officer and functions as chief information officer for the state of New Jersey. He provides vision, leadership, and technical support for the state's information technology community. Mr. Dawson is responsible for the operations of the state Office of Information Technology (OIT), which enables excellence in state government through effective use of information technologies. He is also the state's national representative for IT in New Jersey, promoting IT initiatives and developing partnerships with other states and federal**

**and local government. He serves as a director on the National Association of State Chief Information Officers (NASCIO) executive committee.**

**In his role as CIO, Mr. Dawson has successfully built a spirit of collaboration between OIT and state agency leadership in the development of a statewide strategic planning framework and the creation of an agency CIO roundtable. Guided by the principles of customer service, information sharing, enterprise architecture, IT workforce development, security, and accountability, the state is moving forward to enhance service delivery to the state's diverse constituencies.**

**Prior to joining OIT, Mr. Dawson served as an executive at private companies including SAIC, Medix Inc., and Blue Cross and Blue Shield. Earlier in his career, he served in various management positions throughout state government.**

**PROVIDING LEADING EDGE EDUCATION AND TRAINING FOR THE  
INFORMATION AGE**

**8:45 a.m.-9:00 a.m.**

**Dr. Robert Rose, President  
Mercer County Community College**

**Mercer County Community College has a long standing reputation for providing cutting edge facilities and education that offer the opportunity for members of the local work force to develop the latest technological skills. MCCC's most recent contribution to the community is a state of the art conference center. This conference center provides presenters with the opportunity to take advantage of technology such as Internet connections in every room, video conferencing, Web conferencing, and teleconferencing. Dr. Rose will discuss the role of community colleges in supporting the development of technological skills in the work force, and the vision for the new conference center at MCCC.**

**PROFILE: Dr. Rose**

**Prior to his appointment at MCCC in 2001, Dr. Rose was President of Massasoit Community College. He has also served as Vice-President and Dean of Instruction at Galveston College and Dean of Academic Affairs at Anoka-Ramsey Community College. Prior to this, he was a faculty member, academic counselor, coach and senior administrator at Mount Royal College and has served as an independent consultant. He is the co-author of a book: "Shared Vision: Transformational Leadership in American Community Colleges."**

**Nunzio E. Cernero, Assistant Dean, The Center for Training and Development  
Mercer County Community College**

**As part of an entertainment technology conference, “Make the Magic Real,” MCCC had a video produced that explores the new frontiers of entertainment technology. The video featured keynote speaker, Michael Uslan, a NJ resident who is the executive producer of Warner Brothers’ Batman movies.**

**Mr. Cernero will discuss this video as well as digital cinema, movie production, special effects, broadcast TV, streaming video, animation, multimedia, and DVD’s for the desktop.**

**PROFILE: Mr. Cernero**

**Mr. Cernero has been providing training and organization development solutions for 28 years to corporations, non-profit organizations, and government agencies. Clients have included ETS, Princeton University, Public Service Electric and Gas, the US Navy and the state. Solutions provided to clients often involve designing training programs that deliver state of the art technical information to employees with the goal of assisting organizations to meet the current needs of their customer and clients. For the last two years, Mr. Cernero has been part of a team that has presented the first Entertainment Technology Conference in the state. This conference is providing a focal point for a very fast growing important industry in New Jersey.**

**The Role of Emerging Technologies in the New Technology World 9:15a.m.-10 a.m**

**Deighton Liverpool, Chief, Application Development and Maintenance  
Office of Information Technology**

**David Yockelson, Senior Vice President & Director  
META Group Inc.**

**This keynote session will explore our new information technology world and the future impact of emerging technologies on Web services, security, rapid application development, portals, and other areas. Mr. Liverpool will discuss how government technology systems will be incorporating new technologies and the Center for Excellence. Mr. Yockelson will give a presentation on IT TRENDS: RESHAPING THE FOUNDATIONS OF BUSINESS AND SOCIETY. He will cover Technomics: Economics of Technology from 2005-2010, and establishing a technological adoption road map for the future. Mr. Yockelson will also focus on the driving forces behind the strategic use of IT.**

**PROFILE: Mr. Liverpool**

**Mr. Liverpool was recently named Chief of Application Development and Maintenance at OIT. He brings to state government a clear knowledge and understanding of product and process development and system analysis and design in the financial, insurance, healthcare, retail, and service industries. He has more than 18 years of experience in information technology, including 12 years in an IT management capacity. Most recently, he served as IT director at Collegiate Funding Services, managing implementation of enterprise Microsoft .NET platform initiatives. As director of software development at Capital One Financial, Mr. Liverpool managed software development for multiple platforms, including EJB/Java, Unix/Oracle, MVS, and Unisys. Using matrix management techniques, he led the development and implementation of Capital One Visa and MasterCard products and managed and directed Capital One's domestic and international research and development activities in the U.S., Great Britain, and France.**

**PROFILE: Mr. Yockelson**

**Mr. Yockelson's experience during 11 years at META Group has been in the creation and use of information technology. Prior to joining META in 1993, Mr. Yockelson gained experience through technical and marketing positions in online services, document imaging and management, and workflow companies including Prodigy Services, Imnet Systems, and Sigma Imaging. He also has covered and analyzed numerous technologies and their impact on organizations and business while at META. Mr. Yockelson is the author of numerous articles and has been a frequent speaker on various topics at conferences around the world. Currently, Mr. Yockelson's main focus is running META's information management practice area,**

**the supply chain, and internal operations including enterprise content management, document imaging, records management, search/retrieval, supply chain management, supplier relationship management, RFID, financial applications, ERP, and employee relationship management.**

**Christopher Rein, Chief, Infrastructure and Production Services  
Office of Information Technology**

**Dr. Maximilian A. Ott, Rutgers University, Research Professor at the Wireless Information Network Laboratory (WINLAB), co-manager of the NSF sponsored ORBIT Wireless Research test bed, and CTO of Semandex Networks, Inc.**

**Dr. Wade Trappe, Rutgers University, Assistant Professor of Electrical and Computer Engineering at WINLAB.**

**Ivan Seskar, Rutgers University, Associate Director of Information Technology at WINLAB.**

**The world of wireless is becoming increasingly popular with government, businesses, and consumers alike. This general session will address the next generation of wireless and mobile networks. Rutgers University technologists will discuss the ORBIT project, the wireless networking test bed that will include both a large-scale radio and emulator laboratory, and a new facility for researchers around the nation to test the next generation of wireless and mobile networks. A demonstration will also be presented.**

**PROFILE: Mr. Rein**

**With more than 22 years experience in the IT industry, Mr. Rein gained recognition for the successful deployment of the first carrier grade production Voice-over-IP softswitch in North America, the development of the first commercially-distributed online billing software for a major telecommunications company, and the creation of a real-time network systems monitoring center for operations support systems. As the Chief of OIT's Operation and Infrastructure, he is responsible for the state's mainframe and server data centers, and manages the Garden State Network's planning, design, and support. Prior to joining state government, Mr. Rein led the solutions deployment organization for Telcordia Technologies softswitch business for six years, and served in various technical and leadership positions at Verizon.**

**PROFILE: Dr. Ott**

**Dr. Ott is the research professor at Rutgers WINLAB where he co-manages the NSF- sponsored ORBIT wireless research test bed. His work focuses on intelligent, network-centric information discovery, distribution, and presentation. He is also**

the Chief Technology Officer and co-founder of Semandex Networks, Inc., where he is developing and commercializing innovative content routing technologies.

**PROFILE: Mr. Trappe**

Mr. Trappe currently directs Rutgers WINLAB's research in wireless security. He is an investigator on the NSF ORBIT wireless network test bed initiative and on an AFRL- sponsored project concerning media security. Mr. Trappe has conducted research on wireless network security, multimedia security, and computer networking and has co-authored a popular textbook, Introduction to Cryptography with Coding Theory. He is currently an active participant in the Secure Mobility Forum, a member of the IEEE, and is on the technical committee for the 2004 ACM workshop on wireless security.

**PROFILE: Mr. Seskar**

Mr. Seskar has been with the Rutgers WINLAB for 13 years and has conducted research into wireless communications, spread spectrum systems, multiuser detection, mobility management, and traffic simulations.

**Break: 10:45 a.m.-11:00 a.m.**



**Thomas T. Jones, Special Projects, Application Development and Maintenance  
Office of Information Technology**

**This session will cover how to develop quality applications that are effective, scalable, and sustainable. Mr. Jones will discuss how to design applications, extrapolate true requirements early, and get user involvement (a crucial element). He will also talk about the benefits to the development team and benefits to the organization.**

**PROFILE: Mr. Jones**

**Mr. Jones recently joined OIT in the Application Development and Maintenance office. He brings more than 25 years of diverse experience in the IT field serving as a senior technology management executive and change agent in applying technology to business problems. His software development experience includes leading the team that developed the communications infrastructure for the first large scale nationwide client-server system (2,500 nodes, 250 LANS networks). The server system was one of the first software repositories that were part of an "Application Engine" that replaced 1300 programs with a nine-module suite of reusable components. His development experience includes mainframe batch and online programming, client-server, and OOD/OOP technology. Additionally, he gained experience through technical and senior management positions in "Big 4" consulting, internal IT management, and software development for corporations such as Ernst and Young, Booz-Allen and Hamilton, and Radiant Systems. Mr. Jones has held a number of consulting positions in Georgia, Virginia, and Maryland, and is a recognized leader in technology evaluation and selection, enterprise-wide implementations, business process improvement, methodology development, utilization management, advanced modular software development, strategic planning, and IT effectiveness. He was the founder and principal in starting a company, "a few Xtra Brain Cells."**

**What's Special About GeoSpatial Data? 11:30 a.m.-12:30 p.m.**

**Michael A. Domaratz, U.S. Geological Survey  
National Topographic Mapping Program**

**Bruce Harrison, Director  
Office of Information Technology  
New Jersey Office of Geographic Information Systems**

**The Federal Geographic Data Committee estimates that location is a key feature of 80-90% of all government data today. How did GeoSpatial data become such a critical component to information technology in such a short period of time? And, where are we going in providing public access to certain types of GeoSpatial data, especially in the aftermath of the September 11 attacks? This presentation will cover the need for GeoSpatial Information, the uniqueness of the data, how the public perceives it, and recommendations for safeguarding sensitive data.**

**PROFILE: Mr. Domaratz**

**Mr. Domaratz is a member of the Cooperative Topographic Mapping Program headquarters group of the U.S. Geological Survey (USGS). His responsibilities include implementing "The National Map," a plan to provide current and accurate digital map data for the United States. He is a member of the team that coordinates USGS activities in support of homeland security. He also has responsibilities for coordinating with the Bureau of the Census and internal USGS activities related to transportation data development. He co-chairs the Homeland Security Working Group of the Federal Geographic Data Committee. Previously, Mr. Domaratz served as a liaison in the Office of the Assistant Secretary for Water and Science in the Department of the Interior and as the executive secretary, metadata coordinator, and framework coordinator for the Federal Geographic Data Committee. He also has held research, procurement, and production positions in USGS.**

**PROFILE: Mr. Harrison**

**Mr. Harrison is actively involved in coordinating the development of New Jersey's Spatial Data Infrastructure (SDI) through key initiatives including the NJ Mapping**

**Assistance Partnership Program (NJMapp) and the NJ Geographic Information Network (NJGIN). Most recently he is involved with managing the state's GIS-related homeland security initiatives. Prior to this, he served as the program manager of OGIS where he was responsible for overseeing the office operations including GIS capacity building, application development, and administration of the NJ Geospatial Data Portal. Before joining state government, Mr. Harrison served as the GIS coordinator for the County of Hunterdon.**

**LUNCH: 12:30 P.M.-1:30 P.M. Box lunch atrium or visit local restaurants.**

**Data Mining and Data Warehousing. It's Not What You Think It Is. 1:30 -2:30 p.m.**

**Daniel Paolini, Director Data Management Services  
Office of Information Technology**

**This session will address the very misunderstood concepts of Data Warehousing and Data Mining. Mr. Paolini will explain the concepts surrounding these technologies. Attendees will understand the purpose of these technologies; essentially that Data Warehousing answers questions you knew to ask, and Data Mining answers questions you did not know to ask. There is no prerequisite knowledge required.**

**NOTE: This presentation is aimed at an audience with little to no direct experience with Data Mining and Data Warehousing technologies.**

**PROFILE: Mr. Paolini**

**Mr. Paolini is the state's first director of data management services where he leads the database administration including warehousing and integration efforts for both agency-specific and enterprise-wide information technology projects. Prior to this position, he was the state's first data architect. Additionally, Mr. Paolini co-founded and led a successful database consulting and training firm for six years, and served as the chief technology officer for a public school district and an educational institution. Recently, he was appointed Vice President for Standards of the Data Management Association (DAMA) International Foundation, the education and research affiliate of DAMA International. He is also a member of the New Jersey chapter, and serves as leader of the DAMA Data Architecture Professional Group and as a member of the Professional Groups Council.**

**Mr. Paolini is a former contributing editor for a monthly database magazine and the technical editor for three database books. He has presented eight keynotes and approximately 50 technical papers at more than 20 conferences in North America and Europe. Topics have included leadership, data warehouse modeling, metadata management, data warehousing technologies, reusable component development, query management, rapid application development and user interface design. Recent presentations have been made to DAMA/NCR Metatopia conferences, the Data Summit, the Enterprise Data Forum, the Technology Integration Summit, the New Jersey Digital Government Summit, the Pharma-IT Symposium, and the Get Contactx Technology seminar.**

**Odysseus Marcopolus, Director, Application Infrastructure Services  
Office of Information Technology**

**Paula Arcioni, Identity Management Services Manager  
Office of Information Technology**

**Richard A. Guida, Information Security Officer  
Johnson and Johnson**

**This session will focus on the significance of identity and access management as an emerging technology, and its impact on Web services and application security. OIT Identity Management Services Manager Paula Arcioni will provide an overview of the various components and processes of identity management systems, and the role these systems play in the emerging world of federated identity and Web services. She will also explain what steps OIT is taking to meet these application security and interoperability challenges, and will discuss an important new public-private authentication initiative that is evolving in this technology space.**

**Johnson and Johnson Information Security Officer Richard Guida will provide a practical case study of how J&J has approached the challenge of electronic identity management for its employees and business partners. He will also present a new digital initiative with the pharmaceutical industry that allows electronic credentials to be issued to entities performing clinical trials. Those credentials are then accepted and trusted by other pharmaceutical companies and regulators around the world—a real example of Web services put to practice.**

**PROFILE: Mr. Marcopolus**

**Mr. Marcopolus and his team of 55 technology professionals is responsible for providing production middleware support and architectural consulting services to state agencies on a variety of technologies including Web, application, database, public key cryptography, directory, portal, identity and access management, and legacy mainframe. Mr. Marcopolus also oversees the production support for many of the state's newest digital services including digitized driver licenses and myMVC online business tax filings, and the award winning myNewJersey Portal, through which more than 60,000 users receive secure online services from the state.**

**PROFILE: Ms. Arcioni**

**Ms. Arcioni has brought 27 years of state government experience to OIT four years ago when she assumed the management of the statewide enterprise Public Key**

**Infrastructure initiative (PKI). Ms. Arcioni has extensive expertise in identity management, digital credentials, electronic signatures, and Internet privacy policy. She is putting that experience to use with the development and deployment of OIT's enterprise identity management services that is part of Application Infrastructure services. Currently, she is serving on the Steering Committee of the Electronic Authentication Partnership—a public/private consortium that is developing operating rules for authentication systems to be used with federated identity services, such as Liberty Alliance, Microsoft Passport, and the Federal E-Authentication initiative. She has recently been nominated to serve as vice-chair of the American Bar Association's Information Security Committee and is currently chair of their Government Reciprocity team. She received the distinction as a Laureate for the Smithsonian Institute-Computerworld sponsored "History of Computers" 2002 award. The award was for innovative technology implementation of the state's enterprise PKI system. However, her true claim to fame is her recent certification as a Kansas City Barbeque Society Competition BBQ judge.**

**PROFILE: Mr. Guida**

**Mr. Guida is the director for Information Security at Johnson and Johnson in New Brunswick where he is responsible for security policy and direction within J&J including the roll-out of the J&J Enterprise Public Key Infrastructure. Prior to this, he served as Senior Technical Advisor to the Chief Information Officer for the U.S. Department of the Treasury where he was also the Chair of the Federal Public Key Infrastructure Steering Committee. In this capacity he promoted the use of public key technology within federal agencies and with trading partners for Internet security. He developed and implemented mechanisms to allow agency PKI's to interoperate. Mr. Guida also worked as a civilian employee for the Department of Navy's Nuclear Propulsion Program where he served as Associate Director for Regulatory Affairs and later was promoted to the Federal Senior Executive Service. Mr. Guida is the recipient of numerous awards. They are the Federal Chief Information Officers Distinguished Service award, the Department of the Navy Meritorious Civilian Service award, the Department of the Navy Meritorious Civilian Service award, the Presidential Meritorious Executive Rank award, and the Exceptional Service and the Special Achievement awards with Bronze medal from the Department of Energy. He also received several awards from the Federal 100 Top IT Executives.**

**Psychology of a Hacker**

**3:30 p.m.-4:30 p.m.**

**John Ken Garrett, Chief, Information Security and Business Continuity Planning  
Office of Information Technology**

**Keith James, Security Analyst  
Office of Information Technology**

**Tom Pierson, Director, Network Infrastructure and Telecommunications  
Office of Information Technology**

**Michael Tansey, Detective  
State Police**

**Mike Geraghty, Vice-President for High Technology  
Prudential**

**This session will study the hacker who is internal to a network and will cover cyber and computer forensics, and prosecuting cyber terrorists. IT security staff will discuss in some detail the world of teenage hacking, cyber terrorism, network security, intrusion detection and prevention, trends in the industry, and how OIT is protecting the state's infrastructure. The program will also present the challenges of the corporate world in maintaining security in a fast-paced changing environment and will outline key features of the state's new forensic lab.**

**PROFILE: Mr. Garrett**

**Mr. Garrett brings 30 years of technical expertise and leadership from the corporate sector to state government where he serves as OIT's director of Information Security and Business Continuity Planning. He oversees a staff of security experts responsible for analyzing network security risks and managing information systems security assessments. Additionally, Mr. Garrett is the technical point-of-contact for the state in its partnership with the U.S. Army in developing an intrusion detection system, and recently completed the National Security Agency's Information Systems Security Assessment Methodology program. Prior to joining OIT, Mr. Garrett worked as an information security expert at Ace Investigation and Research, Inc., IBM, and PSE&G. He has also served as an investigator for the National Union of Hospital and Health Care Employees and Essex County Prosecutor's Office, and was the municipal court director for the city of East Orange. Mr. Garrett has been a guest lecturer at Seton Hall School of Law,**

and holds numerous certifications and training in a variety of network and security-related topics.

**PROFILE: Mr. James**

Mr. James has served state government for 16 years in various capacities including network administrator and analyst for OIT. Before joining the state, Mr. James was the program analyst for a military defense and information systems contractor, and was a shop technician for an office automation supplier. He has served in his present capacity for the last two years.

**PROFILE: Mr. Pierson**

With 26 years in state government, Mr. Pierson has held a number of leadership positions in IT. In his current position, he is responsible for overseeing and providing support to the state's network infrastructure, the Garden State Network, including IBM and Bull environment and e-government initiatives as well as the state's Internet presence. He also manages the telecommunication group, overseeing voice communication requests and the network support services group. Previously, Mr. Pierson worked for the Department of Treasury responsible for all operating systems functions, and later became a manager overseeing OS, CICS, and Network. Mr. Pierson also led the effort to migrate the Department of Transportation's computer systems from OS-VS1 to MVS/XA and later managed the Division of Motor Vehicles stability project at SAC. He also worked on the HUB Migration Team and was an integral part of the Model Operating System implementation. Mr. Pierson has extensive experience in the Network Planning and Design unit at the Hub Data Center.

**PROFILE: Mr. Tansey**

Mr. Tansey will present the law enforcement side of cyber terrorism and discuss finding and prosecuting cyber terrorists. Mr. Tansey has been a member of the New Jersey State Police for 11 years. He is currently assigned to the Cyber-Crimes unit where he conducts criminal investigations involving computer and computer technology, and is involved with providing forensic examinations of seized computer evidence. Additionally, he is responsible for the investigation of network intrusions, denial of service attacks, and virus propagation throughout the state. He is a member of the High Technology Crimes Investigators Association, and the International Association of Computer Investigative Specialists.

**PROFILE: Mr. Geraghty**

Mr. Geraghty will talk about achieving an effective information security model in the corporate world and internal threats to Prudential including identity theft



**schemes. He will focus on the many variables involved in implementing security technologies in a corporate world which is constantly changing and will discuss several initiatives at Prudential to prevent internal hacking.**

**As vice president of High Technology Investigations at Prudential Financial, Mr. Geraghty is responsible for carrying out and supervising all computer-related investigations for Prudential.**

**Prior to this, Mr. Geraghty worked for Lucent Technologies Corporate Computer and Network Security Division as the network intrusion detection manager for the corporation's worldwide computer networks. He joined Lucent after retiring from the New Jersey State Police where he was last assigned as the assistant unit supervisor of the High Technology Crimes Unit. He was responsible for the development of this unit which has garnered international accolades for its expertise in computer crime investigations. During his tenure with the State Police, he acted as liaison to the National Association of Attorneys General Internet working group. Mr. Geraghty has testified before the United States Congress as an expert in computer crimes investigations. He has been qualified as an expert in United States Federal Court, New Jersey State Superior Court, and Royal Canadian Provincial Court in the areas of computer crime investigations and computer forensics.**

**Over the last two years, Mr. Geraghty has provided training to Interpol and Europol member law enforcement agencies throughout Europe and Central and South America. He also has given technical and investigative assistance to numerous law enforcement agencies throughout the world including the FBI, United States Secret Service, U.S. Customs Service, Naval Intelligence, New Scotland Yard, Royal Newfoundland Constabulary Service and local police departments across the country. He is also well-known nationally as a speaker on the topic of computer crime investigations. Mr. Geraghty is a past president of the Northeast Chapter of the High Technology Crimes Investigations Association and a member of the International Computer Security Association.**

